Microsoft Surface

Copilot+PC

Surface Laptop

Transformative design packed with intelligent power.

Embrace opportunity with Copilot+ PC performance in a newly sleek profile with a smaller footprint and larger screen real estate. Turbo-boost productivity with the Snapdragon® X Elite and Plus processors for smooth-running apps and seamless on-device AI—and a battery that runs all day on one charge.[5] From security to serviceability, **Surface Laptop** is tailored for trust to help your business outperform.

See more, do more

Redesigned, near-edgeless display combines with Surface's signature 3:2 ratio for more workspace on the brilliant and responsive PixelSense™ Flow touchscreen.

Elevate work with high-octane AI acceleration

Leap ahead with groundbreaking AI features running directly on the device, helping employees collaborate seamlessly, communicate effectively, and get more done in a day.

Exceptional performance, all day long

Meet challenges confidently with a blazing-fast CPU and breakthrough NPU integrated into a highly efficient design for all-day productivity.

Smart, secured, efficient

Safeguard your business with chip-to-cloud security and Windows Hello authentication on a Secured-core PC. With Microsoft, you control your data. Simplified, innovative repairability can bring a device back online quickly and delivers extended use.[17]

Snapdragon® X Elite and Plus processors deliver new levels of speed and efficiency with a CPU that's 86% faster than Surface Laptop 5[29] and an industry-defining NPU driving up to 45 TOPS for seamless on-device AI.

On-device AI helps find almost anything fast with Recall[11] and empowers collaboration with real-time translation of 40+ languages to English with Live Captions.[10]

Made with a minimum of 67.2% recycled content in the enclosure.[3]



Project professionalism with the new HD 1080p Surface Studio camera and unique AI-driven Windows Studio Effects.

Adaptive color, adaptive contrast and HDR technology,[14] offer a clear view in varied lighting on the PixelSense™ Flow touchscreen.

The signature Surface keyboard experience is even better with a Copilot key[6] for quick access to Copilot in Windows 11 Pro[4] and a large Surface precision haptic touchpad for comfort and accessibility.

Provide uninterrupted performance with up to 22 hours on a single charge and built-in power-saving features.[5] Supports fast charging with minimum of 65W power supply via Surface Connect or USB-C®.[38]

Two USB-C®/USB 4® ports enable fast data transfer and support up to three 4K monitors at 60Hz with compatible docks.[7] Ensure fast, resilient connectivity with Wi-Fi 7.[9]

Microsoft Pluton technology enables future security features to be deployed directly from Microsoft.

[3]Enclosure includes A Cover, C Bucket and D Cover. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure for Recycled Content, UL 2809-2, Second Edition, November 7, 2023. [4]Copilot with commercial data protection is available at no additional cost for users with an Entra ID with an enabled, eligible Microsoft 365 license. [5]Based on local video playback test. Battery life varies significantly based on device configuration, usage, network and feature configuration, signal strength, settings and other factors. See aka.ms/SurfaceBatteryPerformance for details. [6]Feature availability varies by market, see aka.ms/WindowsAIFeatures. When Copilot for Windows is not available or enabled on the device, pressing the Copilot key will launch Windows Search. [7]Supporting 3 external displays requires either 2 displays connected to a compatible dock or connected through daisy chain. [9]6GHz band not available in all regions. [10]Currently supports translation for video and audio subtitles into English from 40+ languages. See aka.ms/copilotpluspcs. [11]Optimized for selected languages (English, Chinese (simplified), French, German, Japanese and Spanish). Content-based and storage limitation applied. Learn more. [14]HDR requires HDR content and enabling HDR in device settings. [17]Replacement components available through Surface Commercial authorized device resellers. Components can be replaced on-site by a skilled technician following Microsoft's Service Guide. Microsoft tools (sold separately) may also be required. Availability of replacement components and service options may vary by product, market and over time. See Surface service options – Surface | Microsoft Learn. Opening and/or repairing your device can present electric shock, fire and personal injury risks and other hazards. Use caution if undertaking do-it-yourself repairs. Unless required by law, device damage caused during repair will not be covered under Microsoft's Hardware Warranty or protection plans. [29]Tested May 2024 using CineBench 2024 Multi-Core benchmark. Up to 86% faster comparing Surface Laptop 15" with Snapdragon X Elite 12 core to Surface Laptop 5 15" with Intel® Core™ i7. Up to 73% faster comparing Surface Laptop 13.8" with Snapdragon X Elite 12 core to Surface Laptop 5 13.5" with Intel® Core™ i7. [38]13.8" Surface Laptop comes with 39W Surface power supply. Fast charging (from 5% to 80%) is supported with minimum 65W Surface power supply or USB-C® PD charger, sold separately. Testing was conducted at Microsoft in February 2024, using pre-production devices, software, and minimum of 65W USB-C® charger under controlled conditions. The device was powered on to the desktop screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23C.

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PROCESSOR

Surface Laptop 13.8":
Snapdragon® X Plus
Snapdragon® X Elite

Surface Laptop 15":
Snapdragon® X Elite

NPU
Qualcomm® Hexagon™ with 45 TOPS

GRAPHICS
Qualcomm® Adreno™ GPU

MEMORY AND STORAGE[1]
Memory options:
Surface Laptop 13.8": 16GB, 32GB, LPDDR5x RAM
Surface Laptop 15": 16GB, 32GB, LPDDR5x RAM

Storage options:
Removable[2] solid-state drive (Gen 4 SSD)
256GB, 512GB, 1TB

SECURITY
Enterprise grade security with TPM 2.0 chip and BitLocker support
Windows 11 Secured-core PC
Microsoft Pluton technology
Windows Hello face authentication with Enhanced Sign-in security

PORTS AND CHARGING

Surface Laptop 13.8":
2 X USB-C®/USB 4® ports with support for:
- Charging
- Data transfer
- DisplayPort 1.4a
- Surface Thunderbolt™ 4 Dock and other accessories

Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®[3]
USB-A 3.1
3.5 mm headphone jack
Surface Connect port

Surface Laptop 15":
2 X USB-C®/USB 4® ports with support for:
- Charging
- Data transfer
- DisplayPort 1.4a
- Thunderbolt™ 4 Dock and other accessories

Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®[3]
USB-A 3.1
MicroSDXC card reader
3.5 mm headphone jack
Surface Connect port

NETWORK AND CONNECTIVITY
Wi-Fi 7[26]
Bluetooth® Wireless 5.4 technology

BATTERY LIFE

Surface Laptop 13.8":
Up to 20 hours of local video playback[5]
Up to 13 hours of active web usage[6]

Surface Laptop 15":
Up to 22 hours of local video playback[5]
Up to 15 hours of active web usage[6]

CAMERAS
Full HD front-facing Surface Studio Camera
- 1080p Full HD camera
- Windows Studio Effects with automatic framing, Portrait Blur, Creative Filters (illustrated, animated, watercolor), Eye Contact, and Portrait Light

Windows Hello face authentication camera

SOFTWARE
Windows 11 Pro
Preloaded Microsoft 365 Apps[9]
Microsoft 365 Business Standard, Microsoft 365 Business Premium, or Microsoft 365 Apps 30-day trial[10]

SIZE AND WEIGHT[7]

Surface Laptop 13.8":
Length: 11.85 inch (301 mm)
Width: 8.67 inch (220 mm)
Height: 0.69 inch (17.5 mm)
Weight: 2.96 lbs (1.34 kg)

Surface Laptop 15":
Length: 12.96 inch (329 mm)
Width: 9.41 inch (239 mm)
Height: 0.72 inch (18.29 mm)
Weight: 3.67 lbs (1.66 kg)

DISPLAY

Surface Laptop 13.8":
Touchscreen: 13.8" PixelSense Flow™ Display
Resolution: 2304 x 1563 (201 PPI)
Aspect ratio: 3:2
Contrast ratio:1400:1
Dynamic refresh rate: up to 120Hz
Color profile: sRGB and Vivid
Individually color-calibrated display
Adaptive color
Adaptive contrast
Auto color management
Touch: 10-point multi-touch
Dolby Vision IQ™[15]
Corning® Gorilla® Glass 5
Brightness:
- SDR: 600 nits maximum (typical)
- HDR:[16] 600 nits peak luminance

Surface Laptop 15":
Touchscreen: 15" PixelSense Flow™ Display
Resolution: 2496 x 1664 (201 PPI)
Aspect ratio: 3:2
Contrast ratio: 1300:1
Dynamic refresh rate: up to 120Hz
Color profile: sRGB and Vivid
Individually color-calibrated display
Adaptive color
Adaptive contrast
Auto color management
Touch: 10-point multi-touch
Dolby Vision IQ™ support[15]
Corning® Gorilla® Glass 5
Brightness:
- SDR: 600 nits maximum (typical)
- HDR:[16] 600 nits peak luminance



[1]System software uses significant storage space. Available storage is subject to change based on system software updates and apps usage. 1 GB = 1 billion bytes. 1 TB = 1,000 GB. See Surface.com/Storage for more details. [2]Solid State Drive (SSD) Retention is only available on Microsoft Surface devices in which the SSD is marketed as removable per the Technical Specifications. Solid State Drive (SSD) Retention is included in both Extended Hardware Service Plus and Microsoft Complete for Business Plus and is also available as an Optional Add-on when purchasing Microsoft Extended Hardware Service and Microsoft Complete for Business. Devices returned to Microsoft with a missing Solid State Drive (SSD) are subject to a Solid State Drive (SSD) replacement fee unless the device is enrolled in the Drive (SSD) Retention offer. [3]13.8" Surface Laptop comes with 39 W Surface power supply. Fast charging (from 5% to 80%) is supported with minimum 45W Surface power supply or USB-C® PD charger, sold separately. Testing was conducted at Microsoft in February 2024, using pre-production devices, software, and minimum of 45W USB-C® charger under controlled conditions. The device was powered on to the desktop screen with default display brightness settings. Actual charge time will vary based on operating conditions. Measured at typical office ambient temperature of 23C. [5]Up to 20 hours of battery life based on local video playback test on Surface Laptop 13.8". Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Laptop Snapdragon® X Plus C10 256GB, 16GB RAM devices. Testing consisted of full battery discharge during video playback of a .mov file through the Windows Media Player application in 1080p at 24 FPS. All settings were default except screen brightness set to 150 nits with Auto-brightness disabled. Wi-Fi was connected to a network. Tested with Windows 11. Battery life varies significantly with settings, usage, and other factors. Up to 22 hours of battery life based on local video playback test on Surface Laptop 15". Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Laptop Snapdragon® X Elite C12 512GB, 16GB RAM devices. Testing consisted of full battery discharge during video playback of a .mov file through the Windows Media Player application in 1080p at 24 FPS. All settings were default except screen brightness set to 150 nits with Auto-brightness disabled. Wi-Fi was connected to a network. Tested with Windows 11. Battery life varies significantly with settings, usage, and other factors. [6]Up to 13 hours of battery life based on web browsing test on Surface Laptop 13.8". Based on web browsing test. Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Laptop Snapdragon® X Plus C10 256GB, 16GB RAM devices. Testing consisted of full battery discharge while accessing eight popular websites over multiple open tabs through the browser. All settings were default except screen brightness set to 150 nits with Auto-Brightness disabled. Wi-Fi was connected to a network. Tested with Windows 11. Battery life varies significantly with settings, usage, and other factors. Up to 15 hours of battery life based on based web browsing test on Surface Laptop 15". Based on web browsing test. Testing conducted by Microsoft in April 2024 using preproduction software and preproduction Surface Laptop Snapdragon® X Elite C12 512GB, 16GB RAM devices. Testing consisted of full battery discharge while accessing eight popular websites over multiple open tabs through the browser. All settings were default except screen brightness set to 150 nits with Auto-Brightness disabled. Wi-Fi was connected to a network. Tested with Windows 11. Battery life varies significantly with settings, usage, and other factors. [7]Might vary depending on manufacturing processes. [9]Sold separately. Software license required for some features. [10]Activation required. If your device is managed by your organization's IT department, contact your IT administrator for activation. If you activate your trial outside your organization, after 30 days, you will be charged the applicable monthly or annual subscription fee. Credit card required. Cancel any time to stop future charges. See aka.ms/m365businesstrialinfo. [15]Requires Dolby Vision® encoded content and video. [16]HDR requires HDR content and enabling HDR in device settings. [26]6GHz band not available in all regions.

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KEYBOARD LAYOUT

Please use the keyboard layout for the country device is being sold in

- Activation: Moving (mechanical) keys
- Layout: QWERTY, full row of function keys (F1 – F12)
- Windows key and dedicated buttons for media controls, screen brightness
- Keyboard backlight
- Copilot key[11]
- Precision haptic touchpad

AUDIO

Dual Studio Mics with Voice Focus[12]
Omnisonic® Speakers with Dolby® Atmos®[13]
Support for Bluetooth® LE Audio

SERVICEABILITY

Replaceable components include:[17]

- Display assembly (including camera)
- Keyboard assembly (including touchpad)
- Removable solid-state drive
- Battery
- Motherboard module (including main processor and main memory)
- Surface connect
- Audio jack
- MicroSD reader (15")
- Speakers
- Enclosure (bucket)
- Thermal module
- Feet

ACCESSIBILITY

Surface precision haptic touchpad with adjustable click sensitivity, right click area, and adaptive touch mode[18]
Compatible with Surface Adaptive Kit
Compatible with Microsoft Adaptive Accessories
Includes Windows Accessibility Features – Learn More Accessibility Features | Microsoft Accessibility
Discover more Microsoft Accessible Devices & Products – Accessible Devices & Products for PC & Gaming | Assistive Tech Accessories - Microsoft Store

SENSORS

Ambient color sensor

WHAT'S IN THE BOX

Surface Laptop 13.8" or 15"
Power Supply

- 13.8" 39W
- 15" 65W

Quick Start Guide
Safety and warranty documents

EXTERIOR

Casing: Anodized aluminum
Colors:[19] Platinum or Black

SUSTAINABILITY

Surface Laptop is designed with sustainability in mind

More recycled materials
Enclosure is made with a minimum of 67.2% recycled content, including 100% recycled aluminum alloy and 100% recycled rare earth metals[21]

Thoughtful packaging

- 76% recycled content in wood-based fiber packaging
- Paper-based, minimizing plastic use
- 100% of our virgin paper sourced is FSC certified to be responsibly forested

More energy efficient
ENERGY STAR® certified

More repairable
Easier to repair, with clear visual icons and built-in access to repair instructions[23]

Surface Trade-in
We make trade-in convenient and secure for our commercial customers in the USA at Microsoft Trade In Program

Microsoft is committed to be carbon negative, water, positive, and achieve zero waste by 2030. Learn more about how we design with sustainability in mind:
Sustainable Products & Solutions | Microsoft CSR
Microsoft Surface Sustainability - Microsoft Sustainability

WARRANTY[25]

1-year limited hardware warranty



[11]Feature availability varies by market, see aka.ms/WindowsAIFeatures. When Copilot for Windows is not available or enabled on the device, pressing the Copilot key will launch Windows Search.[12]Voice focus requires activation, requires Windows 11 and is available in apps which use integrated device microphones and use certain Windows audio processing modes.[13]Requires Dolby® Atmos® encoded content/audio. [17]Replacement components available through Surface Commercial authorized device resellers. Components can be replaced on-site by a skilled technician following Microsoft's Service Guide. Microsoft tools (sold separately) may also be required. Availability of replacement components and service options may vary by product, market and over time. See Surface service options – Surface | Microsoft Learn. Opening and/or repairing your device can present electric shock, fire and personal injury risks and other hazards. Use caution if undertaking do-it-yourself repairs. Unless required by law, device damage caused during repair will not be covered under Microsoft's Hardware Warranty or protection plans. [18]Requires Windows 11. [19]Colors available on selected models only. Available colors, sizes, finishes, and processors may vary by store, market, and configuration. [21]Enclosure includes A Cover, C Bucket and D Cover. 100% recycled aluminum alloy in A Cover and C Bucket. 100% recycled rare earth metals in magnets. Based on validation performed by Underwriter Laboratories, Inc. using Environmental Claim Validation Procedure (ECVP) for Recycled Content, UL 2809-2, Second Edition, November 7, 2023. [23] Replacement components available through Surface Commercial authorized device resellers. Components can be replaced on-site by a skilled technician following Microsoft's Service Guide. Microsoft tools (sold separately) may also be required. Availability of replacement components and service options may vary by product, market and over time. See Surface service options – Surface | Microsoft Learn. Opening and/or repairing your device can present electric shock, fire and personal injury risks and other hazards. Use caution if undertaking do-it-yourself repairs. Unless required by law, device damage caused during repair will not be covered under Microsoft's Hardware Warranty or protection plans. [25]Microsoft's Limited Warranty is in addition to your consumer law rights.